Orthophosphate and Total Phosphate Page 1 of 2 HACH 10209 (Ortho.) and 10210 (Total Phos.) High Range- DOC316.53.01125, Low Range- DOC316.53.01124									
acility Name:VELAP ID									
Assessor Name:Analyst Name:	essor Name:Analyst Name:Inspection Date								
Relevant Aspect of Standards		Method Reference	Υ	N	N/A	Comment s			
Records Examined: SOP Number/ Revision/ Date		 Analyst:_							
Sample ID: Date of Sample Pre Analysis:	paration:	_ Date of							
Are samples collected in plastic or glass bottles that have been acid cleaned with 1:1 HCl and rinsed with Del?		Pg. 5		l					
Is phosphate-free detergent used on glassware?		Pg. 5							
Is the appropriate reagent set used? TNTplus 843 is for low-range (0.15-4.50 mg/L $PO_4^{3-}$ or 0.05-1.50 mg/L $PO_4$ -P) and TNT plus 844 is for high-range (1.5-15.0 mg/L $PO_4^{3-}$ or 0.5-5.0 mg/L $PO_4$ -P.)		Pg. 1							
Total Phosphate:									
Are samples analyzed immediately after collection or preserved for up to 28 days by adjusting the pH to 2 or less with H <sub>2</sub> SO <sub>4</sub> and storing at 4°C?		Pg. 5							
Are acid-preserved samples warmed to 15-25°C and neutralized with 5N NaOH before analysis?		Pg. 5							
Is the reactor heated to 100°C prior to digestion?		Pg. 2							
Is 0.5 mL of sample pipetted into the vial for high-range, or 2 mL of sample for low-range?		Pg. 2							
After adding sample to the vial, is the vial shaken sufficier in the cap?	ntly to dissolve the reagent	Pg. 2							
Are samples digested for one hour at 100°C?		Pg. 2		1					
After cooling, is 0.2 mL of Reagent B added to samples?		Pg. 2							
After addition of Reagent B, is a DosiCap C attached and the sample shaken to dissolve the reagent in the cap?		Pg. 2							
Are samples allow to stand for 10 minutes and then shake spectrophotometer?	en and read in the	Pg. 2-3							
Notes/Comments:									

Orthophosphate and Total Phosphate Page 2 of 2 HACH 10209 (Ortho.) and 10210 (Total Phos.) High Range- DOC316.53.01125, Low Range- DOC316.53.01124								
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comment			
Orthophosphate:	•							
Are samples not preserved with acid, stored at 4°C, and analyzed within 48 hours of collection?	Pg. 5							
s 0.5 mL of sample pipetted into the vial?	Pg. 3							
s 0.2 mL of Reagent B added to samples?	Pg. 3							
After addition of Reagent B, is a DosiCap C attached and the sample shaken to dissolve the reagent in the cap?	Pg. 3							
Are samples allow to stand for 10 minutes and then shaken and read in the spectrophotometer?	Pg. 2-3							